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From: Rik Lantz
Sent: Fri 3/11/2016 9:26:47 PM
Subject: USS Lead - Weekly update 3/11/2016
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USS Lead Weekly Update – 3/11/2016

The USS Lead project team continues to evaluate data and prepare to remob to the field. Here's where we stand on 3/11:

1. Field office: Our alternate field office fell through: the prospective renter reversed their position and would only rent to us for a minimum of 6 months. We don't have 6 months of work to do in the field, so we have identified a suitable alternative location and are pursuing setting up an office there starting April 1.
2. Data issues: Our efforts to resolve data issues are drawing to a close. We met with an XRF expert provided by Olympus (the instrument manufacturer) today, and discussed our technique to derive a correlation equation using linear regression. The Olympus representative confirmed that SulTRAC's approach conforms to industry standard practices. The rep recommended against trimming outliers from the data set unless we have some lithologic or other compelling reason to do so. He also noted that our data set of ~850 XRF/lab pairs is very robust and did not see a need to alter the equation as new data comes in since we continue to work with the same material. Thus, we confirmed that our initial approach (linear regression of the full log transformed data set) is reasonable and defensible. We expect to receive the full validated data set from Chemours for all samples collected and analyzed to date next week. Once we receive and review it, we will evaluate the distribution of Chemours data and derive a final correlation equation. Our initial position is that we should regress based only on EPA data, but when Chemours data is received, we will review whether also including Chemours data is reasonable.
3. Design document [no change]: The design document awaits outcome of the XRF correlation equation and review of Chemours data validation reports because the XRF results and Chemours results are reported on the designs. Upon resolution of the data questions outlined above, we will submit a design document to EPA, which may be shared with Chemours.
4. Sampling metrics (excluding 12 RR ROW parcels):

∇ Total Zone 3 properties: 463

∇ Zone 3 properties sampled: 339 (+ 4 properties with sufficient RI data)

∇ Zone 3 properties with access, not yet sampled: 40 (4 new ones)

∇ Properties without access: 68

∇ Properties with access denied: 12

We continue to chip away at the recalcitrant property owners and the owners who are just difficult to get hold of to achieve full coverage of Zone 3, but this effort has proven very labor intensive; these last properties are just tough to get access to.

5. Analytical metrics: [no change]

Total samples taken 3,126 < not including TCLP or Chemours

XRF only samples 2,270

EPA lab metals samples 856

Chemours lab samples 455 Pb, 706 As

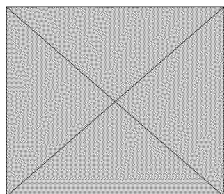
6. Fortnightly call: The next fortnightly call is scheduled for Monday 3/14 at 2:00 Central. If you have a particular issue you would like to discuss, please forward it to me.

Have a great weekend,

Thanks,
Rik

Rik Lantz, P.G., LEED-AP

Director of Environmental Services



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